

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 1. (Cancelled)

1 2. (Currently Amended) The ~~automated imaging system~~ autochanger of claim [[1]]
2 20 further comprising:

3 a processor for analyzing said luminance information.

1 3. – 6. (Cancelled)

1 7. (Currently Amended) The ~~automated imaging system~~ autochanger of claim [[1]]
2 20 wherein said received luminance information determines an alignment of said ~~object with~~
3 ~~another object~~ picker relative to the storage media units and shelf.

1 8. – 19. (Cancelled)

1 20. (New) An autochanger comprising:
2 a shelf to house storage media units;
3 an illumination source;
4 a phosphorescent imaging target affixed to at least one of a storage media unit and
5 the shelf;
6 an optical imaging sensor for receiving luminance information emitted from said
7 phosphorescent imaging target; and
8 a picker to be positioned based on the received luminance information emitted
9 from the phosphorescent imaging target, the picker to retrieve a selected one of the storage media
10 units from the shelf.

1 21. (New) The autochanger of claim 20, wherein the illumination source and optical
2 imaging sensor are part of the picker.

1 22. (New) The autochanger of claim 20, wherein said illumination source is
2 moveable in relation to said phosphorescent imaging target.

1 23. (New) The autochanger of claim 20, wherein the phosphorescent imaging target
2 is affixed to the shelf, and a bar code is affixed to each of the storage media units.

1 24. (New) The autochanger of claim 23, wherein each bar code is phosphorescent.

1 25. (New) The autochanger of claim 20, wherein said received luminance
2 information determines a position of said picker relative to the storage media units and shelf.

1 26. (New) The autochanger of claim 20, wherein said received luminance
2 information determines a presence of a storage media unit.

1 27. (New) The autochanger of claim 20, wherein the picker is moveable among
2 different positions in the autochanger.

1 28. (New) The autochanger of claim 20, wherein the illumination source is to emit
2 light onto the phosphorescent imaging target.

1 29. (New) A method for use in an autochanger having a shelf to house storage media
2 units, comprising:

3 radiating photonic illumination onto a phosphorescent target affixed to at least
4 one of a storage media unit and the shelf;

5 positioning a picker based on luminance information emitted from the
6 phosphorescent target; and

7 retrieving, by the picker, a storage media unit from the shelf.

1 30. (New) The method of claim 29, wherein the phosphorescent target is affixed to
2 the shelf, the method further comprising:
3 illuminating bar codes affixed to the storage media units; and
4 detecting for presence of the storage media units based on illumination of the bar
5 codes.

1 31. (New) The method of claim 30, wherein illuminating the bar codes comprises
2 illuminating phosphorescent bar codes.

1 32. (New) The method of claim 29, further comprising:
2 moving the picker among different positions in the autochanger.